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नई दिल्ली, शनिवार, जनवरी 18, 1985 (पौष 28, 1907)

No. 3]

NEW DELHI, SATURDAY, JANUARY 18, 1985 (PAUSA 28, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके। [Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेस्ट कार्यालय द्वारा जारी की गई पेटेस्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 18th January 1986

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APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dated shown in crescent brackets are the dates claimed under Section 135, of the Act.

The 12th December, 1985

- 896/Cal/85. Hoesch Aktiengesellschaft. Under floor wheelset turning muchine for reprofiling the wheel tyre contours of railway wheelsets.
- 897/Cal/85. Vickers Incorporated. Power Transmission.

The 13th December, 1985

- 898/Cal/85. Otto India Private Limited. A method of repairing coke ovens.
- 899/Cal/85. 1, Vladimir Denisovich Belousov (2) Drnitry Georgievich Gostev (3) Gennady Vasilievich Gromov (4) Vladimir Ivanovich Troshin (5) Galina Iosifona Tsofina Steam Separator.
- 900/Cal/85. "Neyrpic". Automatic Safety Device for Fluid Duct.

The 16th December, 1985

901/Cal '85. Single Body Moorings Inc. Mooring Device,

The 17th December, 1985

- 902/Cal/85. Slavyanskky Filial Vsesojuznogo Nauchno-Issledovatelskogo I Proektno-Konstruktorskogo Instituta Metallurgicheskogo Mashinostroenia Imeni A.I. Tselikova, Method for cutting sheets or plates and rolling-cut shears for carrying the method into effect.
- 903/Cal/85. Murari Prasad Sharma. An equipment which can develop yorking capacity of Man.

The 18th December, 1985

- 904/Cal/85. Mr. Pravat Kumer Mukherji. A process of manufacture of PROTEIN-POWDER and PROTEIN FOOD BAR named 'NUTRI PROTEIN' containing 93-97% protein free of fat and chloesterol 94 to 96% digestable of very high biological value mixed with vitamins, carbo-hydrates and minerals using whey as source of protein.
- 905/Cal/85. Samesh Majumder, L.P. Gas Cylinder base cum gas measuring device.
- 906/Cal/85. Furoceltique, S.A. 5-Thioxanthine Derivatives
- 907/Cal/85. Vocst-Alpine Aktiengesellschaft. Cutting Machine.
- 908/Cal/85. Maho Werkzeugmaschinenbau Babel & Co. Tool Magazine.
- 909/Cal/85 Arie Visser. Extrema cooling digitizing signal processing method and apparatus.
- 910/Cal/85.. George Fischer Aktiengesellschaft. Wall member for converter chamber.
- 911/Cal/85. E.I. Du Pont De Nemours and Company. Process for separating methyl isocyanate.
- 912/Cal/85. (1) Vladmir Ivanovich Khandogin (2) Nikolai Ivanovich Stukovnin, Constant voltage stabilizer.
- 913/Cal/85. Hoechst Aktiengesellschaft. Process for the preparation of fiber-reactive phthalo-cyanine compounds. [Divisional dated 23rd September, 1982].

ALTERATION OF DATE

157101. Ante dated to 11th April, 1980. (522/Cal/83)

COMPLETE SPECIFICATION ACCEPTED

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CLASS: 90-A.

157097.

Int. Cl. C 03 d 25/00.

METHOD AND APPARATUS FOR THERMALLY TOUGHENING GLASS.

Applicant: PILKINGTON BROTHERS P.L.C.. OF PRESCOT ROAD, ST. HFLFNS, MERSEYSIDE WALO 3TT, ENGLAND.

Inventors: 1. JOHN EVASON. 2. MAI.COLM JAMES, RIGBY, 3. PETER WARD, 4. BRIAN MARSH.

Application No. 121/Cal/83 filed February 1, 1983.

Convention dated 1st February, 1982 (8202768) and 11th October, 1982 (8229004) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

44 Claims

A method of thermally toughening glass in which hot glass is quenched with a particulate material, characterised by generating at least one stream of closely-packed, aerated particles, and projecting that stream towards the glass at a velocity whose component normal to the glass surface is at least 1 m/s and which ensures that the integrity of the stream is preserved in its trajectory towards the glass.

Compl. Speen. 60 pages. Drgs. 7 sheets.

CLASS: 206-D.

157098.

Int. Cl. H 01 p 7/06,

A MODIFIED RESONANT CAP MICROWAVE IMPATT OSCILLATOR.

Applicant: THE REGISTRAR, UNIVERSITY OF CALCUTTA, SENATE HOUSE, CALCUTA-700073, INDIA.

Inventor: 1, SUBAL KAR, 2, SITESH KUMAR ROY.

Application No. 285/Cal/83 filed March 9, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

17 Claims

A modified resonant-cap microwave IMPATT oscillator comprising, a microwave cavity, a modified resonant-cap, an IMPATT diode adapted to be placed inside the said microwave cavity, arrangement for bias supply to the said IMPATT diode and tunning means for maximization of output power.

Compl. Specn. 9 pages. Drgs. 2 sheets.

CLASS: 77-B₁.

157099,

Int. Cl. B 30 b 9/00.

A MODIFIED POWER GHANI

Applicant & Inventor: NANALAL TRIVEDI, PROP: TRIVEDI INDUSTRIES, 10. INDUSTRIAL ESTATE, PATNA-13, BIHAR, INDIA.

Application No. 312/Cal/83 filed March 14, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A modified power ghani comprising the rotatable wooden vat with wooden mortar housed inside as per standard art, characterised by that the body is 'L' shaped having a vertical box type metal construction for housing inside all the pullies and a horizontal box type metal platform housing inside the tail pinion and the totary pinion, the motor which is mounted over the vertical box is coupled with a first pulley of larger diameter which pulley is attached axially with a pulley of smaller diameter and this smaller diameter pulley is coupled with a second pulley of larger diameter, the said second pulley being fixed to an end of the tail pinion shaft and all the pullies being mounted inside the said vertical box remaining enclosed therein, and the horizontal box type platform which housed inside the tail pinion and the rotary pinion of the drum is provided with a tray containing a lubricant and a small closed chain is loosely suspended over the shaft of the tail pinion and situating by the side of the tail pinion, the chain dipping inside the lubricant causing splashing of oil over the tail pinion causing continuous self lubrication the rotating vat being mounted over the said horizontal platform and the mortar being supported in known manner by means of brackets fixed to the vertical box type construction.

Compl. Specn. 8 pages. Drgs. 3 sheets.

CLASS: 187-Ca.

157100.

Int. Cl. H 04 m 3/00.

A DIGITAL SUPERVISORY CIRCUIT FOR A TELEPHONE SYSTEM,

Applicant: INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK, UNITED STATES OF AMERICA.

Inventor: 1. WILLIAM THOMAS COCHRAN. Application No. 494/Cal/83 filed April 26, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A digital supervisory circuit for a telephone system including first means responsive to an input signal representing at least one of a ring trip, ring present, on-hook, off-hook and dial pulses to provide an output signal indicating the difference in time the input signal is above and below a preset potential; second means coupled to the first means to digitally integrate the output signal; third means coupled to the first means and the second means the third means having a first present digital threshold to provide a ring present supervisory signal when the first threshold is exceeded; fourth means coupled to the first means and the second means, the fourth means having a second preset digital threshold to provide a switch hook detection supervisory signal when the second threshold is exceeded; and fifth means coupled to the second means, the third means and the fourth means to prevent response of the second means and the fourth means to line transients.

Compl. Specn. 16 pages, Drg. 1 sheet.

CLASS: 140-A₂. Int. Cl. C 10 m 5/00. 157101.

PHOSPHORUS-AND SULFUR-CONTAINING LUBRICATING COMPOSITION AND FUNCTIONAL FLUID COMPOSITIONS F IMPROVED THERMAL STABILITY.

Applicant: THE LUBRIZOL CORPORATION. 29400 LAKELAND BLVD., WICKLIFFE, OHIO 44092, UNITED STATES OF AMERICA.

Inventors: 1. DONALD LYNN CLASON, 2. CALVIN WILLIAM SCHROECK.

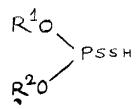
Application No. 522/Cal/83 filed April 29, 1983.

Division of Application No. 424/Call/80 dated 11th April 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

An improved lubricating composition or functional fluid composition comprising a lubricating oil or functional fluid and additive characterized in that said additive includes 0.25 to 10% by weight a mixed metal salt of (A) at least one acid of the formula 1 of the accompanying drawings



wherein each of R_1 and R^2 is a hydrocarbon-based tadical, and (B) at least one aliphatic or alicyclic carboxylic acid having the formula R^a COOH, wherein R^a is an aliphatic or alicyclic hydrocarbon-based radical; the ratio of equivalents of A to B being between 0.5:1 and 4.5:1 by weight.

Compl. Specn. 18 pages, Drg. 1 sheet.

CLASS: 127-I.

157102.

Int, Cl, F 16 d 100.

COUPLING DEVICE FOR CONNECTING TWO ENDS OF TWO SHAFTS.

Applicant: TATA ENGINEERING & LOCOMOTIVE CO. LTD., AT JAMSHEDPUR, STATE OF BIHAR, INDIA.

Inventor: 1. SALIL BARAN MUKHOPADHYAY.

Application No. 553/Cal/83 filed May 4, 1983,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A coupling device for connecting the two ends of two shafts, one of which is a driving shaft and the other a driven sha't comprising a first flange mounted near the end of the first shaft and a second flange mounted near the end of the second shaft, both the shafts being either of the same diameter or one shaft being of larger diameter than the other shaft, the opposing ends of the two shafts being spaced from each other characterised by the provision of an intermediate clongated sleeve having a flange at each end to be connected to the first and second flanges respectively mounted on the two shafts to be coupled; the hore of the said sleeve having one or two steps at one end and a single step at the opposite end, one of the two steps at one end of the bore facing the end of the said second shaft, the other step being held against one or more O-rings surrounding the end of the said second flange a step at the opposite end of the sore one or more O-rings surrounding the end of said first shaft and held between said step and the first flange of the said first shaft, the said O-ring or the set of Orings is/are held through spacer rings against the flanges mounted on the two respective shafts.

Compl. Speen. 7 pages, Drg. 1 sheet.

CLASS: $32-F_1 + 32-F_2b + 55-D_2$.

157103

Int. Cl. C 07 d 49/00.

PROCESS FOR THE PREPARATION OF 2-(5, 5-DISUBSTITUTED-4-OXO (OR THIONO)-2-IMIDAZOLIN-2-YI.)-NICOTING ACIDS/3-QUINOLINECARBOXYLIC ACID/BENZOIC ACID,

Applicant: AMERICAN CYANAMID COMPANY. OF THE TOWNSHIP OF WAYNE, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventors: 1, JERRY MICHAEL BARON, 2. DON WESLEY LONG, 3. KENNETH DALE LOTTS.

Application No. 647/Cal/83 filed May 24, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for the preparation of a 2-(5, 5-disabstituted-4-oxo (or thiono)-2-imidazolin-2-yl)-nicotinic acid/3-quinoline-carboxylic acid/benzoic acid of the formula (I) of the accompanying drawings,

wherein R_9 is N or CH; R_1 is C_1 - C_4 alkyl; R_2 is C_1 - C_4 -alkyl or C_3 - C_6 cycloalkyl; and when R_1 and R_2 are taken together a long with the carbon to which they are attached, they may represent C_3 - C_6 cycloalkyl optionally substituted with methyl, and when R_1 and R_2 are not the same, the optical isomers thereof; W is O or S; X is hydrogen, or C_1 - C_4 alkyl, Y is hydrogen, halogen, C_1 - C_4 alkyl, C_1 - C_4 alkoxy, trifluoromethyl, trichloromethyl, difluoromethoxy, diloweralkylamino, C_1 - C_4 alkylthio, nitro, phenyl or phenoxy optionally substituted with one C_1 - C_4 alkyl, C_1 - C_4 alkoxy'or halogen; Z is hydrogen, C_1 - C_4 alkyl, trifluoromethyl, trichloromethyl, phenyl or phenyl substituted with one C_1 - C_4 alkyl, C_1 - C_4 alkyl, C_1 - C_4 alkoxy or halogen; and when taken together, Y and Z may form a ring in which YZ are represented by the structure: —(CH₂)₄—, where n is an integer from 3 to 5, provided that

X is hydrogen; or YZ is -C=C-C=C-, where L, M, O and R_7 are each of hydrogen, halogen, C_1 - C_4 haloalkyl difluoromethoxy. diloweralkylamino, C_1 - C_4 alkylthio, nitro, phenyl, phenoxy of mono-substituted phenyl or phenoxy where the substituent is C_1 - C_4 alkoxy or halogen; with the proviso that only one of L, M, Q or R_7 , may represent a substituent other than hydrogen, halogen, C_1 - C_4 alkyl or C_1 - C_4 alkoxy; comprising, reacting a compound of the structure of formula (11:) or isomeric form thereof corresponding to formula (11:)

wherein R_9 , X Y, Z, R_1 and R_2 are as described above and R_3 , s W

 $C_{11} \rm NH_2$ wherein W has the above given meaning with from 2 to 20 molar equivalents of an aqueous or aqueous alcoholic sodium or potassium hydroxide and optionally upto 10 molar equivalents of 30 to 90% aqueous hydrogen peroxide at a temperature of from 25 to 100°C and thereafter acidifying the thus-formed reaction mixture to a pH between 2 and 4 with a strong mineral acid to give the formula (I) acid.

Compl. Specn. 38 pages, Drgs. 11 sheets.

CLASS: 85-A.

157104.

Int. Cl. C 10 j 3/00, H 05 b 7/18.

PROCESS AND APPARATUS FOR THE GENERATION OF HOT GASES,

Applicant: CHEMISCHE WERKE HULS AKTIENGE-SELLSCHAFT, OF 4370 MARL 1, KREIS RECKLINGHAUSEN, GERMANY.

Inventors: 1. HERBERT SCHMIDT, 2. RICHARD MULLER.

Application No. 884/Cal/83 tiled July 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Process for the generation of hot gases which are under increased pressure with the use of a direct-current-operated, gasvortex stabilized high-voltage are furnace with hollow electrodes and vortex chamber, characterized by conducting the process at

—a momentum flow of the gas to be heated of at least 10 kg m/s^2 ,

- a gas velocity of at least 10 m/s upon entrance of the gas into the vortex chamber, and

—under pressures of 1.5 to 10 bar (absolute), maintaining with the hollow electrodes a ratio of internal diameters of cathode to anode of 1.6 to 2.5 and a spacing between the electrodes amounting to 0.9 to 0.7 times the internal cathode diameter, and blowing the gas to be heated into the arc tangentially to the electrode axis.

Compl. Specn. 12 pages. Drg. 1 sheet.

CLASS: 47 C.

157105.

Int. Class: C10b 47/00, 47/04.

"A REACTOR FOR CARBONIZING AGRICULTURAL WASTE".

Applicant: PREM DUTTA GROVER, PROFESSOR AND HEAD, OF DEPARTMENT OF CHEMICAL FNGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, HAUZ KHAS, NEW DELIII-110016, INDIA, AN INDIAN NATIONAL.

Inventor: PREM DUTTA GROVER.

Application for Patent No. 652/Del/81 filed on 12th October, 1981. Complete specification left on 11th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(5 Claims)

A reactor for carbonizing agricultural waste into a fuel comprising a cupola or dome shaped structure, a furnace on one side of the base of said cupola or structure, an air inlet with a door provided at the base of said cupola or structure, a fuel charging door for introduction of fuel into said furnance, a plurality trays containing the agricultural waste supported within said cupola or structure and extending alternately from the opposite sides thereof, and doors on the wall of said structure for introduction and discharge of the trays.

Provisional specification 4 pages. Drg. 1 sheet.

(Complete specification 8 pages).

CLASS: 84 B.

157106.

Int. Class: Co 7 C-3/00.

"A PROCESS FOR UPGRADING GASOLINE DERIVED FROM SYNTHESIS GAS",

Applicant: THE BRITISH PETROLEUM COMPANY, 1 IMITED OF BRITANNIC HOUSE, MOOR LANE, LONDON EC2Y 9 BU, ENGLAND, A BRITISH COMPANY.

Inventors: CHRISTOPHER JOHN AND ANTONY HAROLD PATRICK HALL.

Application for Patent No. o56/Del/81 filed on 12th October 1981.

Convention date 17th October 1980/U.K./80,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

A process for upgrading a feedstock comprising low grade gasoline made from synthesis gas characterised in that the feedstock is brought into contact in the vapour phase at an elevated temperature with a catalyst composition comprising an aluminosilicate having a gallium compound deposited thereon and/or an aluminosilicate in which cations have been exchanged with gallium ions, said aluminosilicates having a silica to alumina molar ratio of at least 5:1.

Complete Sepecification 11.

CLASS: 17.A.3.

157107.

Int. Class: C. 12.g-3/00.

"PROCESS FOR THE MANUFACTURE OF SWEET CARBONATED BEVERAGE".

Applicant: SOCIETE GENERALE DES EAUX MINERALES DE VETTEL, A FRENCH COMPANY OF 88 800 VITTEL, BOITE POSTALE NO. 43, FRANCE.

Inventor: GERARD COEFFIER.

Application for Patent No. 657/Del/1981 filed on 12th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A process for the manufacture of a carbonated sweet beverage in which the carbon dioxide required for the formation of the gas bubbles is formed "in situ" in an aqueous sugar solution by alcoholic type fermentation of the sugar by the action of yeast, the fermentation being interrupted before the appearance of a significant quantity of alcohol, and the untermented sugar remains in solution, conterring on the beverage the desired sweet taste.

Complete specification 9. Drg. 1 sheet,

CLASS: 85 G.

157108.

Int, Class: C21c, 5/42.

"CHANGEOVER DEVICE FOR AN INSTALLATION FOR RECOVERY OF THE GASES AND FUMES PROCEEDING FROM A CONVERTER".

"Applicant: CLESID S.A., OF 51 RUE SIBERT, 42403 SAINT-CHAMOND, FRANCE, A FRENCH COMPANY. Inventor: MARC LEVEQUES.

Application for Patent No. 661/Del/81 filed on 13th October, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A changeover device for an installation for recovery of the gases and fumes proceeding from a tilting converter, including an enclosure of dimensions sufficient for allowing the tilting movements of the converter enveloping this converter around at least the portion of it situated above the horizontal plane containing the axis of tilt when the converter is vertical, a first fixed suction duct called the main suction duct, joined to the enclosure and connected to a device enabling a suction to be exerted in the enclosure in which the gases escape from the converter, and a second fixed suction duct called the secondary duct, connected to the same suction device as the main duct by way of the changeover device which consists of:

—a suction chamber in two superimposed portions (10 and 11) connected through a vertical junction duct (20) projecting into the upper portion (11) of the chamber, around which is arranged an annular tank (21) containing water the main duct (1) opening out into the lower portion (10) of the chamber and the secondary duct (2) into the upper portion (11) of this two-part chamber

- a cylindrical bell (22) movable inside the upper portion (11) of the chamber between a low position in which the bell (22) is plunged into the annular tank (21) surrounding the junction duct (20) and isolates the upper portion (10) from the lower portion (11) of the chamber and a high position in which the bell (22) is disengaged from the annular tank (21), the two chambers (10 and 11) then being in communication

—a device for movement (30) of the bell between its low position and its high position;

—and a closure valve in the main suction duct before the chamber in two portions and of which the lower portion is connected to the suction device.

Complete specification 15 pages, Drg. 1 sheet.

CLASS : 69.0.

157109

Int. Class: H02b 13/00, 11/10.

"ELECTRICAL SWITCHGEAR"

Applicant: BRUSH SWITCHGEAR LIMITED, A BRITISH COMPANY OF P O BOX 19, LOUGH-BOROUGH, LEICESTERSHIRE, LE11 1 HI., ENGLAND.

Inventors: JOHN STANLEY STEWART & GEORGE ALFRED HODKIN.

Application for Patent No. 663/Del/1981 filed on 13th October, 1981.

Convention date 24-1-1981/8102210, (UK.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

Electrical switchgear comprising a main contact set composed of first and second contacts which are relatively movable between open and closed positions and through which a load current passes in use, an arcing electrode between the first contact and which an are is formed during movement of the contact to said open position, a held coil connected in series with the arcing electrode so that an arcing current flewing therethrough produces a magnetic field which causes

the arc to rotate and become extinguished, the first contact being pivotable about an axis transverse to the axis of the field coil hand having an end portion which moves transversely to and inwardly of the field coil axis when the contacts are opened, and an earthing contact assembly operable to earthing contact set, both the main contact set and earthing contact assembly being disposed in a common housing containing an electrically insulating fluid.

Complete specification 16 pages. Drawings 5 sheets,

CLASS: 39 D. 157110.

Int. Class: C01f 11/00.

"A PROCESS FOR THE PREPARATION OF CALCIUM CARBONATE FROM CARBIDE LIME SLUDGE".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: ADDALA SURYANARAYANA, JONNALA-GADDA RAJAGOPALA PAO, KULAMANI PARIDA AND BHARAT RAMKRISHNA SANT.

Application for Patent No. 669/Del/1981 filed on 14th October, 1981.

Complete specification left on 7th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 Claims

A process for the preparation of calcium carbonate from carbide lime sludge comprising treating the sludge with a stochiometric amount of an ammonium salt solution, filtering the slurry formed, carbonating the same in a precipitated by passing carbon dioxide therethrough to form precipitated calcium carbonate, separating the precipitate and reusing the filtrate with the fresh carbide sludge.

Provisional specification 3 pages.

Complete specification 7 pages.

CLASS: 195 B, C, D.

157111.

Int. Class: B67d-3/00.

"A METHOD OF RENOVATING OR ADAPTING AN ORIFICED LOWER VALVE PLATE OF A SLIDING GATE VALVE".

Applicant: USS ENGINEERS AND CONSULTANTS, INC., A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, DOING BUSINESS AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor: CAPPELLI ROMANO.

Application for Patent No. 674/Del/1981 filed on 17th October 1981.

Appropriate Office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi.

12 Claims

A method of renovating or adapting an orificed lower valve plate of a sliding gate valve for use in controlling molten metal flow, the plate being furnished with an integral, depending discharge nozzle, wherein the method includes the steps of:

(a) boring out the flow passage which extends through the lower plate and its integral nozzle to remove areas of wear and to form a stepped bore, a larger diameter portion of said bore piercing the plate and extending part way along the nozzle, while the smaller diameter portion extends through the remainder of the nozzle;

- (b) securing a prefabricated refractory insert ring in the larger bore portion, the ring having an axial length greater than the plate thickness; and
- (c) positioning an elingated tubular former concentrically inside the smaller bore portion and filling the space between the former and the confronting inside wall of the nozzle with comentitious material to form a nozzle liner, the former having an outer diameter enabling it to fit snugly into the insert ring in the larger bore portion.

Complete specification 19 pages. Drgs. 2 sheets.

CLASS: 50 E.

157112.

Int. Class: F25b 15/00.

"IMPROVEMENTS IN OR RELATING TO A CONTINUOUS VAPOUR ABSORPTION REFRIGERATION SYSTEM".

Applicant: BHARAT HEAVY ELECTRICALS LIMITED, 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventors: KANTI PRAKASH TYAGI, GOPAL PRASAD MAHESHWARI, LODGI MOHAMMED SIDDIQ AND PRAMOD NARAIN AVASTHY.

Application for Patent No. 676/Del/1981 filed on 19th October, 1981.

Complete specification left on 20th January, 1983.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

A continuous vapour absorption refrigeration system comprising a generator for converting the refrigerant solution into a vapour phase, the outlet of the said generator being connected to a condenser for converting the vapour phase into a liquid phase, an expansion valve connected to the said condenser, an evaporator for receiving the refrigerant from the said expansion valve, an absorber having a first inlet connected to the outlet of said evaporator and a second infect connected to a weak solution outlet of said generator through a pressure reduction valve, said absorber having an outlet connected to an inlet of said generator through a pump, is characterised in that a rectifier is connected between the said generator and the condenser to eliminate the water vapour from the refrigerant gas which is converted in the generator mixture.

Provisional specification 5 pages, Drg. 1 sheet.

Complete specification 8 pages.

CLASS: 61 A, F & K.

157113.

Int. Class: F26b, 3/00, 21/00,

"IMPROVED METHOD OF DRYING MILL-WET BAG-ASSE".

Applicant: THE NATIONAL INDUSTRIAL DEVELOP-MENT CORPORATION LTD; CHANAKYA BHAVAN, VINAY MARG, NEW DELHI-110021, INDIA AN INDIAN COMPANY.

Inventor: SUBHAS CHANDRA BOSF.

Application for Patent No. 678/Del/1981 filed on 19th October, 1981.

Complete specification left on 16th October, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An improved method of drying mill-wet bagasse wherein the bagasse is dried by hot air output of a heat exchanger, which output comprises ambient air heated in the said heat exchanger by the gases from the lurnace of lire boy of a steam generator.

Provisional specification 4 pages.

Complete specification 6 pages, CLASS: 203.

157114.

Int. Class: B65h, 79/00.

DEVICE FOR REPLACING A FIRST, EMPTY OF STRIP MATERIAL WITH A SECOND, NEW REEL".

Applicant: G.D. SOCIETA, PER AZIONI, OF VIA POM-PONIA, 10, 40100 BOLOGNA, ITALY, AN ITALIAN COMPANY.

Inventor: ENZO SERAGNOLI.

Application for Patent No. 679/Del/1981 filed on 19th October, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi.

6 Claims

A device for the substitution of a first, empty reel of strip material with a second, new reel on a utiliser machine, the device being characterised by the fact that it comprises, in combination, a support element for a first recl and a second reel respectively, the said first reel being able to be unwound and being constituted by a first strip extending along a first unwinding path; supporting means for a second strip constituting the second reel along a second path; traction means for imparting to the said second strip a speed of advance equal to that of the said first strip; first cutting means for effecting a partial cut simultaneously to the said two strips; clamping means for stopping the part of the said first strip disposed upstream of the said partial cut; adhesive applicator means for applying an adhesive material astride the said partial cut; and second cutting means disposed downstream of the said adhesive-applicator means for cutting the said second strip along the said partly cut line.

Complete specification 13 pages. CLASS: 42-A₁. Int. Cl. B 65 b 19/02, 19/26.

Drgs 1 sheet. 157115

DISPENSING APPARATUS FOR MACHINES FOR PACKETING CIGARETTES INTO HINGED LID RIGID TYPE CIGARETTE PACKETS.
Applicant: G. D. SOCIETA PER
POMPONIA, BOLOGNA, ITALY. AZIONI OF 10, VIA

Inventor: ENZO SERAGNOLI.

Application No. 24/Cal/79 filed January 9, 1979.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A dispensing apparatus for machines for packeting eigerettes into hinged-lid rigid type cigarette packets comprising a wheel (15) carried by a shaft mounted perpendicularly to a base housing and provided with radially disposed compartments (17) each for housing one cigarette packet (20) longitudinally disposed relative to the radius of said wheel and edgewise relative to the plane of the wheel, a dispensing channel (46) contains and radially disposed relative to said wheel, a first driving mechanism (59, 63, 65-68, 19, 21-24) connected to the main motor (58,155) of said machine for intermittently rotating said wheel, a packet feeding mechanism (161,121-128) positioned unstream relative to the rotational direction of said wheel for feeding individual packets into said compartments, a pushing device (60.102-119) for ejecting the packets from said compartments and for feeding the same into and along said dispensing channel, an upper (34) and a

lower (35) heated plate delimiting the upper and lower sides of said compartments, a second driving mechanism (37-40) for reciprocaungly driving a supporting member (38.39) of said upper plate and for subjecting said plate, during each dwell of said wheel, to a displacing movement from a first position relatively spaced from said compartments to a second position relatively spaced from said compartments to a second position in contact with the compartments, and a stationary supporting member for said lower plate, characterized in that said apparatus further comprises a first (50) and a second (51) track at the end of said dispensing channel (46); a switching device (147) mounted adjacent the end of said dispensing channel for conveying individual packets (20) onto said first track during a normal operation condition of the apparatus: a third driving a colonium (129-146), associated apparatus; a third driving nechanism (129-146) associated with said main motor (48.155) for driving said switching device; a first control device (93) sensitive to the stopping of said main motor a timer (156) associated with said first control device (93) for measuring the stopping time of said main motor during an obnormal operating condition of the apparatus, a fourth driving mechanism (40) controlled by said first controlled by said first control device (93) for driving said supporting member (38.39) of the upper plate (34) for moving said plate to a position relatively spaced from the compartments (17) during a first stage of said abnormal operating condition; a second control device (151) controlled by said timer (156) when the latter measures a duration of the stopping time during a second stage of said abnormal operating condition which is longer than a preselected time; a locking device (140.150) controlled by said second control device for locking said switching device; and a counter device (157) associated with said main motor and with said locking device for disengaging said locking device following restoration of said normal operating conditions of the apparatus after counting a number of machine cycles equal to the number of a packets contained in said dispensing apparatus.

Compl. Specn. 30 pages. Drgs. 3 sheets

CLASS: 62-C1, 2, 4, &4.

157116

Int. Cl. C 09 b 67/00; D 06 p 1/00, 1/16, 1/48.

PROCESS FOR PREPARING AN AQUEOUS DYE-BATH LIQUOR SUITABLE FOR IMPREGNATING SUB-

Applicant: MERCK & CO., INC., OF 126 EAST LINCOLN AVENUE, RAHWAY, NEW JERSEY, JUNITED STATES OF AMERICA.

Inventor: 1. JOSEPH STEVEN RACCIATO.

Application No. 691/Cal/81 filed June 9, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for preparing an improved aqueous dye-bath liquor suitable for impregnating substrates, the improvement that comprises the incorporation in a known type dye-bath liouor, an antimigrant at a concentration ranging from 0.001% to 1.00% by weight based on the total weight of said dye-bath liquor, the said antimigrant being a heteropoly-saccharide such as hereindescribed and if desired the said aqueous dyc-bath liquor further comprising an auxiliary antimigrant.

Compl. Specn. 11 pages. Drgs. nil.

CLASS: 145-E2.

157117

Int. Cl. D 21 c 3/00.

METHOD FOR PRODUCING A FIBER PULP HAVING IMPROVED OPACITY AT A HIGH YIELD FROM HAGASSE.

Applicant: BELOIT CORPORATION, P.O. BOX 350, BEI OIT, WI 53511, U.S.A.

Inventors: 1. HARRY KEELING HORNE, 2. RODERIC FIELD, 3. MARTIN OLYMPIO SALTARELLI, 4. ALFRED JOSEPH SEAQUIST, 5. A. DARA SEKKBAN.

Application No. 1099/Cal/81 filed October 1, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method of producing a fiber pulp mixture having improved opacity at a higher yield which includes the steps of:

- (a) de-pithing a cellulosic furnish such as bagasse,
- (b) subjecting the de-pithed material to thermomechanical pulping,
- (c) refining the product from step (B) to produce a suspension of particles ranging from relatively small to relatively large particles.
- (d) separating the particles from step (C) into a relatively coarse particle fraction and a relatively fine particle fraction.
- (e) removing substantial amounts of water from the fine particle fraction to leave a pulp.
- (e) subjecting the relatively coarse particle fraction from step (D) to a chemical pulping process, and
- (g) combining the pulps from steps (e) and (f) to from a stock suitable for introducing auto a paper making machine.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS: 40-F.

157118

Int. Cl. B 01 i 1/00.

A POLYMERIC LAMINATE HAVING SOLID LAYERS AND METHOD FOR MANUFACTURING THE SAME.

Applicant: AMERICAN CAN COMPANY, OF AMERICAN LANE, GREENWICH, CONNECTICUT-06830, U.S.A.

Inventors: 1. CHRISTOPHER J. FARRELL, 2. BOH C. TSAI.

Application No. 1276/Cal/81 filed November 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

28 Claims

A polymeric laminate having only solid layers which comprises :

- (a) at least one polymeric protective layer in protective relation to an oxygen scavanger material such as herein described in another layer of the laminate, and
- (b) a polymeric layer having incorporated therein a d₁y oxygen scavenger material such as herein described the material being capable of a passive state for prolonged periods of directly react with oxygen, and triggerable to an active state when wetted with

water which has selectively permeated the protective layer from outside the laminate, whereupon the oxygen scavanger will directly react with oxygen,

wherein said protective layer is substantially resistant to permeation by water at ambient temperature and has enhanced transmission of water at elevated temperatures and therefore is selectively capable of permeation by water at an elevated temperature to thereby selectively permit the water to contact said oxygen scavenger material to convert it from the passive to the active state.

Compl. Specn. 26 pages. Drgs. pil.

CLASS: 55-F + 152-F.

157119

Int. Cl. C08 g 51/64.

METHOD FOR PRODUCING A CELI.ULOSIC, PLASTIC OR FIJ.M-FORMING POLYMER COMPOSITION AND COMPOSITION OBTAINED THEREBY,

Applicant: STAUFFER CHEMICAL COMPANY, OF WESTPORT, CONNECTICUT 06881, UNITED STATES OF AMERICA.

Inventors: 1. ARNOLD DAVID GUTMAN 2. SOPHIA YAN LIU, 3. JOHN WESLEY WILLIAMS.

Application No. 1468/Cal/81 filed December 29, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A method for producing a cellulosic, plastic or, film forming polymer composition which is fabricated into a continuous form, resistant to bacteria, fungi or actinomycetes, comprising incorporating into said composition or continuous form, or coating the same with, a compound having the formula shown in Fig. 1 of the accompanying drawings

in which Y is $C = C_4$ alkoxy; R_1 and R_2 are independently hydrogen or methyl; and n is 1 or 2, in an amount from 0.001 to 13% by weight.

Compl. Specn. 23 pages. Drg. 1 sheet.

CLASS: 40-F.

157120

Int. Cl. C 03 c 25/00; D 06 m 7/00.

IMPROVED PROCESS AND APPARATUS FOR THE MANUFACTURE OF MINERAL FIBER MAT.

Applicant: ISOVER SAINT-GOBAIN, OF "LFS MIRO-IRS"-LA DEFENSE 3, 18 AVENUE D' ALSACE, 92400 COURBEVOIE, FRANCE.

Inventor: 1. GUY MARCEL BADUEL.

Application No. 358/Cal/82 filed March 30, 1982.

Appropriate office for opposition proceedings (Rule 4, Pa.ents Rules, 1972) Patent Office. Calcutta.

33 Claims

A process for the manufacture of mineral fiber mat in which:

fibers are produced and conducted by means of gas currents to a receiving element where they are collected and separated from the carrier gas,

a finely dispersed liquid binder composition is projected into the gas current carrying the libers, upstream of the receiving element.

wherein, downstream of the receiving element, water is atomized in the path of the gases by means of water jet collision to wash the gases.

Compl. Specn. 40 pages. Drgs. 4 sheets.

Chass: 40-H.

157121.

Int. Cl. B 01 d 53/00.

SEPARATION DEVICE FOR THE SEPARATION OF GASEOUS OR VAPOROUS SUBSTANCES.

Applicant: NUSTEP TRENNDUSEN ENTWICKLUNGS-UND PATENTVERWERTUNGS-GESELLSCHAFT MBH & CO. KG. OF BISMARCKSTRASSE 54, 4300 ESSEN 1, WEST GERMANY.

Inventor: 1. WERNER GROSTUCK.

Application No. 363/Cal/82 filed March 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A separation device for the separation of gaseous or vapours substances, comprising a duct assembly with substantially square cross section, together with ducts for the parent gas and outlet ducts for the heavy fractions; and separation elements in the form of nozzle-edges, paring-orifices and nozzle grooves; said duct assembly comprising dividing walls forming ducts, said ducts being opened on one of their frontal faces, whilst the other frontal faces are sealed off by end plates; said duct assembly being equipped with plates and their nozzle-edges and paring-orifises respeltively edged into the nozzle grooves so as to provide a free gap between them; characterised in that said duct assembly and said duct-forming integrated dividing walls, integrated end plates and integrated duct covers form a single integrated component; and the said parent gas ducts, the intermediate fraction outlet ducts and the heavy fraction or component outlet ducts are disposed side-byside in alternating sequence and equipped with connecting slots for the separation elements; said integrated component being provided with matching surfaces in the region of the connecting slots, which matching surfaces are fitted with separation element components which are so arranged that each duct system which forms one separation element with two nozzle grooves.

Compl. Specn, 14 pages. Drgs. 2 sheets.

CLASS: 40-B.

157122.

Int. Cl. B 01 j 1100.

A PROCESS FOR THE PREPARATION OF A POLY-MERIZATION CATALYST.

Applicant: HOECHST AKTIENGESELLSCHAFT OF 6230 FRANKFURT, AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. JOACHIM BERTHOLD, 2. BERND DIE-DRICH, 3. RAINER FRANKE, 4. JURGEN HARTLAPP, 5. WERNER SCHAFER, 6. WOLFGANG STROBEL.

Application No. 682/Cal/82 filed June 14, 1982.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of a polymerization catalyst composed of the product from the reaction of a magnesium alcoholate such as herein described with titanium tetrachloride (Component A) and an organo metallic compound of Groups I to III of the periodic system (component B) such as herein described, which comprises preparing the component A by reacting, in a first reaction stage, a magnesium alcoholate or a complex magnesium alcoholate as herein described with titanium tetrachloride in an inert hydrocarbon at a temperature of 50 to 100°C, subjecting, in a second reaction stage, the reaction mixture which has been formed to a heat treatment at a temperature of 110 to 200°C until no further alkyl chloride is split off, and then freeing the solid from soluble reaction products by washing it several times with a hydrocarbon and the relevant amounts of components A and B are 0,0001 to 1 mmoles of Ti of the component A per liter dispersion medium or per liter of reactor volume and 0, 1 to 5 mmoles organometallic compound per liter of dispersion medium or per liter of reactor volume.

Compl. Specn. 27 pages. Drgs. nil.

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 3. No. 155693. Metal Box p.l.c., a British Company of Queens House, Forbury Road, Reading. Berkshire. RGl, 3JH, England. A "Bottle". Reciprocity date is 24th November, 1984. (U.K.).
- Class. 3. No. 155889. Eagle Flask Private Limited (an Indian Company under the Companies Act) at Eagle Estate, Talegaon 410 507, District Pune, State of Maharashtra. India. "Flask". 24th July, 1985.
- Class. 3. No. 155904. Cello Plastic Industrial Works, Vakil Industrial Estate, Walbhat Road, Goregaon East, Bombay-400063, Maharashtra, India, an Indian Partnership Firm. "Soap Case". 30th July, 1985.

Class. 3. Nos. 155938, 155939, 155940, 155941. Industrie FACE STANDARD Spa, a public Liability Company organised under the laws of Italy of Via Luigi Bodio 33-39, Milano 20158, Italy. "A Telephone Subset". 14th August, 1985.

Extn. of Copyright for the Second period of five yeas.

No. 151543 Class-1.
Extn. of Copywright for the Third period of five years,
Nos. 151543, 153510, 144124
No. 143428 Class-3.

R. A. ACHARYA.
Controller General of Patents, Designs and Trade Marks.